

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 11:29:56 : Search time 596.48 Seconds
(without alignments) 5776.970 Million cell updates/sec

Title: US-09-052-089A-7
Perfect score: 2007
Sequence: 1 GTCCGCTGAGCGAATTTG.....AAAAAAAAAAAAAAAAAAAA 2007

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1736436 seqs, 858457221 residues

Total number of hits satisfying chosen parameters: 3472872

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing:	Minimum Match	0%
	Maximum Match	100%
	Listing first	45 summaries

Database : N_Geneseq_032802:*

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23	/SID5/gcgdata/genseq/genseqn-emb1/NA2001A.DAT.*
24	/SID5/gcgdata/genseq/genseqn-emb1/NA2002.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1890.8	94.2	2065	20	AA866754	BCNA_091-21A31 env
2	1887.6	94.1	2065	19	AAV29662	CRCAL modulator of
3	148	7.4	148	22	AA527719	DNA encoding novel
4	52	2.6	3489	21	AA830290	Kaposi's sarcoma-
5	52	2.6	3489	22	AA682901	Nucleotide sequenc
6	52	2.6	32207	20	AAV73805	RSRV LTR DNA (nucl
7	52	2.6	137507	19	AAV19841	KSHV long unique C
8	51.8	2.6	4246	22	AA560847	Human cancer agent
9	50	2.5	50	22	AAJ30971	Human SNP oligonuc

10	48.4	2.4	753	22	AA158369	Human polynucleotide
11	48.4	2.4	AA158370	22	AA158370	Human polynucleotide
12	48.4	2.4	7741	22	AA160155	Human polynucleotide
13	48.4	2.4	7741	22	AA160156	Human polynucleotide
14	47.8	2.4	5154	23	AA584859	DNA encoding novel
15	47.2	2.4	2004	18	AA185356	Nephila clavipes s
16	46.6	2.3	475	22	AA585819	Human foetal liver
17	46.6	2.3	475	22	ABA27737	Probe #6203 for ge
18	46.6	2.3	475	22	AAK06973	Human brain expres
19	46.6	2.3	475	22	AAK32709	Human bone marrow
20	46.6	2.3	475	22	AA138524	Probe #7120 used t
21	46.6	2.3	511	22	ABA71159	Human foetal liver
22	46.6	2.3	511	22	ABA37497	Probe #15963 for g
23	46.6	2.3	511	22	AAK13455	Human brain expres
24	46.6	2.3	511	22	AAK45444	Human bone marrow
25	46.6	2.3	511	22	AA151389	Probe #20075 used
26	45.8	2.3	4181	22	AAAD06778	Human haematopoiet
27	45.8	2.3	4801	22	AAAD06781	Human haematopoiet
28	45.2	2.3	1820	22	AA595861	Human RECAP polynu
29	45	2.2	1824	23	AA581488	DNA encoding novel
30	45	2.2	2850	23	AA579695	DNA encoding novel
31	44.4	2.2	267	22	AAK15059	Human brain expres
32	44.4	2.2	267	22	AAK45604	Human bone marrow
33	44.2	2.2	693	23	AA574240	DNA encoding novel
34	44.2	2.2	693	23	AA590715	DNA encoding novel
35	44.2	2.2	51259	18	AA583007	Partial mouse WRN
36	44	2.2	2601	23	ABO10151	Drosophila melanog
37	44	2.2	2887	16	AAO84589	AMML chromosome in
38	44	2.2	4945	23	ABO10150	Drosophila melanog
39	44	2.2	5064	23	ABX10438	Drosophila melanog
40	43.6	2.2	16442	18	AAH14306	Partial mouse WRN
41	43.4	2.2	2243	22	ABA08657	Human extensin hom
42	43.4	2.2	9679	21	AAAD00768	Rat phosphodiester
43	43.2	2.2	1440	23	ABO8945	Drosophila melanog
44	43.2	2.2	7736	23	AA565810	DNA encoding novel
45	43.2	2.2	8466	22	AAK52971	Human polynucleoti

ALIGNMENTS

RESULT	1
AXX86754	
ID	AXX86754 standard; cDNA; 2065 BP.
XX	
AC	AXX86754;
XX	
DT	27-OCT-1999 (first entry)
XX	
DE	cdna 091-21A31 encoding a BRCA1 modulator protein.
XX	
KW	Modulator protein; BRCA1; tumour suppressor protein; breast cancer
KW	ovarian cancer; cell growth; cell proliferation; ds.
XX	
OS	Homo sapiens.
XX	
XX	
FT	Key Location/Qualifiers
FT	CDS 103..1512
FT	/*tag= a
XX	
XX	
XX	US5948643-A.
XX	
XX	
PD	07-SEP-1999.
XX	
XX	
XX	13-AUG-1997; 97US-0968751.
XX	
XX	
PR	13-AUG-1997; 97US-0968751.
XX	
XX	
PA	(ONVX-) ONVX PHARM INC.
PI	Lingenfelter C, Polakis PG, Rubinfeld B, Vuong TT;
DR	WPI; 1999-517952/43.

DR P-PSDB; AAY30149.
XX Modulator proteins that bind to and modulate the activity of the
PT BRCA1 tumour suppressor gene product, useful for the treatment of
PT ovarian and breast cancer
XX
XX Claim 1; Fig 1; 35bp; English.

CC The present sequence encodes a modulator protein, that binds to and
CC modulate the activity of the BRCA1 gene product (BRCA1). The BRCA1
CC protein has been characterized as a tumour suppressor protein.
CC Alterations in the amino acid sequence of BRCA1 causes breast and ovarian
CC cancers by removing the controls on cell growth and proliferation.
CC Research has shown that different regions on the BRCA1 molecule have
CC different effects on cell growth and tumour suppression (e.g. full length
CC truncated BRCA1 has no effect on breast cancer cell growth but will
CC inhibit ovarian cancer cell growth). It has been suggested that different
CC host cell factors (e.g. proteins) interact with different regions of the
CC BRCA1 to control its function. The identification of these proteins
CC (e.g. BRCA1MP) will facilitate the development of novel diagnostic
CC methods and new therapeutics for identifying and treating cancers caused
CC by changes in the expression or activity of BRCA1.

XX Sequence 2065 BP; 561 A; 526 C; 561 G; 417 T; 0 other;

Query Match 94.2%; Score 1890.8; DB 20; Length 2065;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1946; Conservative 0; Mismatches 17; Indels 5; Gaps 4;

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QY 104 TGCTTATCCCTGCTGTGTGACTATCTGCTCCGACTTCTTGATCACTCCCGGAGCTGG 163
DB 104 tgcctatccgctgtgtgtgactatctgctccgacttcttgatcactcccgagactgg 163
QY 164 CCGCATCCACTGCGGCGACACCTTCCACTTGGAGTGGCTTAATTCAGTCTTTGAGACAG 223
DB 164 cgcgcattccactgcgcgacacacttccacttgaagtgcccaattcagttgttgagagc 223
QY 224 CACCAAGTCGACCTGCGCCACAGTCGCGAATCCAGGTTGGCAAAAGAACCTTATCAATA 283
DB 224 caccaaagtcgacctgcccacagtgccgaatccagtgctggcaaaagaaacattatcaata 283
QY 284 AGCTCTTCTTGTGATCTTGGCCAGAGAGAGAGATGTTGGATCCGAAATTTCTTAAGA 343
DB 284 agctcttcttgtgacttggccagagagagatgttggatccgaatttcttaaga 343
QY 344 ATGAACGTGACATGTTCAGAGCCAGCTTCCGAGAAGACAGAGAAACGAGACAGCC 403
DB 344 atgaactgacaaatgttcagagccagcttccgagaagacagaaagcagagacagcc 403
QY 404 AGGTCAATCATGACACTCTGCGGGATAGCTGTGAAGAAGCAATGCTACTGTGTATCTC 463
DB 404 aggtcatcatgacactctgcgggatagctgtgaagaagcaatgctactgtgtatctc 463
QY 464 TGGAGAGAGGCTTGGGCAAGGCCGAGATGCTGTGCTCCACACTGGAAGAAACAATGAAGT 523
DB 464 tggagagagccttgggcaaggccgagatgctgtgctccacactggaagaaacaatgaagt 523
QY 524 ACTTAGAGCAGCAGAGAGATGAGCAAAACACACAGAGAGGCGGCGCTCGCA 583
DB 524 acttagagcagcagagatgagcaaaacacacagagagggcgccgctcagca 583
QY 584 GCAAGATGAAGACCATGAGACAGATTGAGCTTACTCCAGACCAAGCTCCCTGAGGTGG 643
DB 584 gcaagatgaagaccatgagacagattgagcttactccagagccagcgccctgaggtgg 643
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DB 644 aggagatgatccgagacatgggtgtgggacagtcagcggtggaacagctggctgtact 703

QY 704 GTGTGCTCTCAAGAAAAGACTACGAAATCTAAAGAGCCAGGAGCCTCAGGGAGG 763
DB 704 gtgtgctctcaagaaaagactacgaaatctaaagagccagagcctcagggag 763
QY 764 TGGCTGACAACTGAGAGAGATTTGTTTCTTCACGAAGCAAGTTGCACAGCTCTACT 823
DB 764 tggctgacaaactgagagagatTTGTTTCTTCACGAAGCAAGTTGCACAGCTCTACT 823
QY 824 CTGAATTTGATTCAGGGCAAGTTTGAACCTGAAGTCACCCGAGAGCACTTAACAGTGG 883
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DB 1304 ggccaggtgacagTCCCTTTCGACGAAAGATGCTGAAGAGCAGCTTCGATGGCTCG 1363
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DB 1424 agccaaagaccaagGTTAAGCAAGAGGTGAGGTGAAGACCGCTTCTCTTCCAGG 1483
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DB 1484 ccaagctgacacCTTCTGTGTGCTGAGACAGTGAAGTCAACCAATGCGCCAGACACA 1543
QY 1544 TGGCTGCAACTGTAGTGAAGAGCTGTCCAGCAGAGG--TTTGTGAGACAGAGCCTTACT 1601
DB 1544 tggctgcaactgtagTGAAGAGCTGTCCAGCAGAGG--TTTGTGAGACAGAGCCTTACT 1601
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DB 1602 ttTGGGAGACAGCCTTGAGGTGTAAGGCGACAGCAAAACAGGTGAGGTGAGTGAACACCC 1661
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DB 1662 agactgctctTCTGCTGACCTGACCCCTCCACTCTTACAGACTGGAGCTGACATGACAG 1721
QY 1722 CCCACTGATCTGTACGACAGTCTCTGCT--CTGTGGCAGAGCTTGTATTACCAATTGAT 1780
DB 1722 cccactgatctgtacGACAGTCTCTGCT--CTGTGGCAGAGCTTGTATTACCAATTGAT 1780
QY 1780 CCCACTGATCTGTACGACAGTCTCTGCT--CTGTGGCAGAGCTTGTATTACCAATTGAT 1780
DB 1780 cccactgatctgtacGACAGTCTCTGCT--CTGTGGCAGAGCTTGTATTACCAATTGAT 1780

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Db	1784	cagatggtgctaacgactcttcttcgaccttgagaccacggtcactctgttaccgtctctgt	1843
QY	1841	GGACACAGATGCTCTTGAGGACATCTCAGGACAGCCACGCCACACTTCTACCTGCTTGC	1900
Db	1844	ggaccacagatgctcttgaggaatcttcacgacgaccttcagcccaagcttctaccgtcctttac	1903
QY	1901	TTGCTTCTTA-6CATATGCTCTGGGCCCAAGCAGGCTGGGGAAATGAGATATACATGGGATGT	1959
Db	1904	tgtcctctcagcatagccttgycgccaagcaggytggggaaatgtgagatag-catggagatgt	1962
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Db	1963	atggagagagatcggagaaatttccatgttaataataataaaaaa	2010
RESULT 2			
ID	AAV29062	standard; cDNA; 2065 BP.	
XX	AC	AAV29062;	
XX	DT	28-AUG-1998 (first entry)	
XX	DE	BRCA1 modulator protein 091-21A31 cDNA.	
XX	KM	BRCA1 modulator protein; 091-21A31; breast cancer antigen 1;	
XX	KM	tumour suppressor protein; diagnosis; therapy; human; ss.	
OS	XX	Homo sapiens.	
FT	FT	Key	Location/Qualifiers
FT	FT	CDS	103..1512
XX	PM	W098100066-1.	
XX	PD	12-MAR-1998.	
XX	PF	06-AUG-1997; 97WC-US13944.	
XX	PR	04-SEP-1996; 96US-0025601.	
XX	PA	(ONVX-) ONVX PHARM INC.	
PI	XX	Ligenfelter C, Polakis P, Rubinfeld B, Vuong TT;	
DR	XX	WPI; 1998-193616/17.	
DR	XX	P-P5DB; AAMW37881.	
PT	XX	Breast cancer antigen 1 modulator protein - useful for diagnosing	
PT	XX	diseases involving unwanted cell growth, e.g. breast cancer, and for	
PT	XX	producing therapeutics for treatment of such diseases	
PS	XX	Claim 5; Fig 1; 73pp; English.	
CC	XX	This cDNA clone, designated 091-21A31 (ATCC 98141), codes for	
CC	XX	a 53 kDa BRCA1 modulator protein (see AAMW37881) that binds to the	
CC	XX	tumour suppressor gene product BRCA1, and which is characterised by	
CC	XX	a zinc finger domain and a leucine zipper motif. 3 cDNA clones	
CC	XX	(see also AAV29063 and AAV29064) coding for BRCA1 modulator proteins	
CC	XX	(see AAMW37881-83) were isolated from a HeLa cDNA library using a	
CC	XX	Yeast two-hybrid assay with a GAL4-BRCA1(8-1293) fusion as bait.	
CC	XX	Vectors and host cells comprising the isolated nucleic acid	
CC	XX	sequences are claimed, as well as a process for producing BRCA1	
CC	XX	modulator protein by culturing these host cells. BRCA1 modulator	
CC	XX	proteins and nucleic acids can be used to diagnose diseases	
CC	XX	involving unwanted cell growth, e.g. breast cancer, and to identify	
CC	XX	compounds that alter BRCA1 interaction with BRCA1 modulators for	
CC	XX	the treatment of such diseases.	
XX	XX	Sequence 2065 BP; 561 A; 528 C; 559 G; 417 T; 0 other;	

Query Match	94.1%	Score 1887.6	DB 19	Length 2065	
Best Local Similarity	98.8%	Pred. No. 0			
Matches 1944	Conservative	0	Mismatches 19	Indels 5	Gaps 4
QY	44	TACGAAGCCGGACACGTGTACAGTTTCTTTGGCTGGCTGGGCCCTTTAGTCCAGCATCA	103		
DB	44	tacgaagccggaccctgttagcagttcttcttgctgtgcttgcgtggcccttgatccagcaatca	103		
QY	104	TGGCTATCCGTGCTCTGTGCACATCTGCTCCGACTTCTTGATCATCACTCCGGACGTGG	163		
DB	104	tgcctatccgltgctctgtgcacatctgtctccgactcttcgatcacctccgcgcagctgy	163		
QY	164	CCGCAATCCACATCGGGCCACACCTTCCACTTGGAGTGGCCCTAATTCAGTCTTTGGAGACG	223		
DB	164	ccgcacatccacatcgcgccacacactccacatcgagtgcccaatcaagtggtltggaacag	223		
QY	224	CACCAAGTGGACCTGGCCACAGTGGCCGAATCCAGGTTTGGCAAAAGAACATTATCATTA	283		
DB	224	caccaagtcggaccctgcccacagtcgccgatatccaggtltggcaaaagaccatlatcaata	283		
QY	284	AGCTCTTCTTTGATCTTGGCCAGAGAGAGAGATGTTCTTGATTCAGAAATTTTAAACA	343		
DB	284	agctctcttcttatcttgcgccagagagaaatgcttctgtgtagaattctttaaaga	343		
QY	344	ATGAATGTGACATGTCAAGAGCCACACTTTCAGAAAGAACAAAGGAAGACAGACAGCC	403		
DB	344	atgaatgtgacaaatgtcagagcccgcttccagaaagaaagagagaaagagacagacc	403		
QY	404	AGGTCATCATCGACACTGTGCGGGATACGCTGGAGAACAGCAATGCTTGTGTATCTC	463		
DB	404	aggctcatctgacactctgcggatagcgttgaaagacaaatgctatgtgtatcttc	463		
QY	464	TGAGACAGGCTTTGGCCAGAGGCCAGATGCTGTGGTCCACACTGGAAAAAGCAGTAAAT	523		
DB	464	tgaagagagcccttgggacaagggccgaaatgctgtgtgcccaacgaaaaagcagaaatgaat	523		
QY	524	ACTTAGAGCAGCAGCAGATGAGACCAACAAAGCACAAAGAGAGGCGGGCCGGCTCAGGA	583		
DB	524	acttagagcagcagcagagtagagccaacaagcacaaagagagggccgcgcgctcagga	583		
QY	584	GCAAGATGAAGACATGAGAGCAGATTGACTTCTACTCCAGAGCCAGTCCCTGAGGTGG	643		
DB	584	gcaagatgaaagccatcagagccagattgagcttctactcagagccacgagccctgaaatgg	643		
QY	644	AGGAGATGATCCGAGACATGAGGAGTGTGGACAGTACACCGGTGMAACAGTGGGTGTACT	703		
DB	644	aggagatgattccgagacatcgtgtgtgtggacagtccagcggttggaaacgcctggtctgtact	703		
QY	704	GTGTGTCTCTCAAGAAAGATGATCTAAAGAGGCACCGAAGCCTCAGGGAGG	763		
DB	704	gttgtctctcaagaaagagtagcagaatctaaagagcaggaagcctcagggagg	763		
QY	764	TGGCTGACAGCGAGAGAGGATTTGTTTCCGCCAAGACAACTTGACAGACAGTCTACT	823		
DB	764	tggctgacagcgagagagtagtlttctcccgaaagcaagtlgtgcagacgttact	823		
QY	824	CTGAATGTGATCAGGCGCAAGTTTGAAGCTGAAGTCAACCCAGAGAGACTTACAGAGTGTG	883		
DB	824	ctgaatgtgatcaggccaaagttagaacttgaagtcagcccgaaagagcttaacagatgctg	883		
QY	884	ACACAGAAATCATGAGCCTGGAAAAGAGACTAAGTCTGTCAGGAAACCTTGACCTGC	943		
DB	884	acaagaaatcatcagaccttgaaanaaagctaaacgaatgcgcagaaacctltgaacctgcg	943		
QY	944	CACCAATGGCCAGTGAAGTGTGACGCGCGCTGGTTTAAAGACCCAGCGCCCTGTGGAG	1003		
DB	944	caccagatggccagtgagactgtgcacgcgctggttttaagagccagccctctgtggag	1003		
QY	1004	TGAATGTGAAGCTCGCGCGGCCATCTCTCGTGATGATATGTGATCTCAATGCTACTCTTG	1063		
DB	1004	tgaatgtgaagctcgcgcggccatctctcgtgatgatatgtgtcttccaatgtcaactcttg	1063		

PR 12-SEP-2000; 2000US-0231968.
PR 14-SEP-2000; 2000US-0232397.
PR 14-SEP-2000; 2000US-0232398.
PR 14-SEP-2000; 2000US-0232399.
PR 14-SEP-2000; 2000US-0232400.
PR 14-SEP-2000; 2000US-0232401.
PR 14-SEP-2000; 2000US-0233063.
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PR 21-SEP-2000; 2000US-0234223.
PR 21-SEP-2000; 2000US-0234274.
PR 25-SEP-2000; 2000US-0234997.
PR 25-SEP-2000; 2000US-0234998.
PR 26-SEP-2000; 2000US-0235484.
PR 27-SEP-2000; 2000US-0235834.
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PR 29-SEP-2000; 2000US-0236327.
PR 29-SEP-2000; 2000US-0236367.
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PR 29-SEP-2000; 2000US-0236370.
PR 02-OCT-2000; 2000US-0236802.
PR 02-OCT-2000; 2000US-0237037.
PR 02-OCT-2000; 2000US-0237038.
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PR 02-OCT-2000; 2000US-0237040.
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PR 20-OCT-2000; 2000US-0241785.
PR 20-OCT-2000; 2000US-0241786.
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PR 01-NOV-2000; 2000US-0244617.
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PR 08-NOV-2000; 2000US-0246475.
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PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
PR 08-NOV-2000; 2000US-0246613.
PR 17-NOV-2000; 2000US-0249207.
PR 17-NOV-2000; 2000US-0249208.
PR 17-NOV-2000; 2000US-0249209.
PR 17-NOV-2000; 2000US-0249210.
PR 17-NOV-2000; 2000US-0249211.
PR 17-NOV-2000; 2000US-0249212.
PR 17-NOV-2000; 2000US-0249213.
PR 17-NOV-2000; 2000US-0249214.
PR 17-NOV-2000; 2000US-0249215.
PR 17-NOV-2000; 2000US-0249216.
PR 17-NOV-2000; 2000US-0249217.
PR 17-NOV-2000; 2000US-0249218.
PR 17-NOV-2000; 2000US-0249219.
PR 17-NOV-2000; 2000US-0249245.
PR 17-NOV-2000; 2000US-0249264.
PR 17-NOV-2000; 2000US-0249265.
PR 17-NOV-2000; 2000US-0249267.
PR 17-NOV-2000; 2000US-0249297.
PR 17-NOV-2000; 2000US-0249299.
PR 17-NOV-2000; 2000US-0249300.
PR 01-DEC-2000; 2000US-0250160.

PR 01-DEC-2000; 2000US-0250391.
PR 05-DEC-2000; 2000US-0251030.
PR 05-DEC-2000; 2000US-0251988.
PR 05-DEC-2000; 2000US-0256719.
PR 06-DEC-2000; 2000US-0251479.
PR 08-DEC-2000; 2000US-0251856.
PR 08-DEC-2000; 2000US-0251858.
PR 08-DEC-2000; 2000US-0251869.
PR 08-DEC-2000; 2000US-0251989.
PR 08-DEC-2000; 2000US-0251990.
PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Barash SC, Ruben SM;
XX
XX WPI; 2001-465460/50.
XX
XX
XX Novel polypeptides useful for diagnosing, treating, preventing and/or
PT prognosing disorders related to the proteins, including cancers, immune
PT disorders and neuronal disorders
XX
XX
XX Claim 1; SEQ ID No 1379; 880bp; English.
XX
XX
XX The invention relates to novel isolated polypeptides (I), and
CC polynucleotides (II). (I), (II) and the antibody to (I) are useful for
CC diagnosing, preventing and treating diseases including immune system
CC disorders (e.g. congenital and acquired immunodeficiencies, autoimmune
CC disorders (e.g. rheumatoid arthritis), inflammatory conditions, organ
CC transplant rejections and graft versus host disease, infectious diseases
CC (e.g. hepatitis C), bleeding disorders, haemoglobin abnormalities and
CC other blood-related disorders (sickle cell anemia), myeloproliferative
CC disorders, primary haematopoietic disorders, hyperproliferative
CC disorders (e.g. Gaucher's disease and cancer), neurodegenerative
CC disorders (e.g. Alzheimer's disease, Parkinson's disease), chromosomal
CC abnormalities (Down syndrome), ischaemic injury (e.g. stroke), renal
CC disorders (e.g. glomerulonephritis), cardiovascular disorders
CC (e.g. arrhythmia), respiratory disorders, dermatological disorders, in
CC wound healing, epithelial cell proliferation, endocrine disorders (e.g.
CC Addison's disease), reproductive system disorders, gastrointestinal
CC disorder (inflammatory disorders), liver disorders (cirrhosis),
CC as stimulators of B-cell responsiveness to pathogens, activators of
CC T-cells, to induce higher affinity antibodies, and as a means to induce
CC tumour proliferation in pathologies e.g. acquired immune deficiency
CC syndrome (AIDS). AAS26576-AAS27850 represent novel signal transduction
CC pathway protein coding sequences and PCR primers of the invention.
XX
XX Sequence 148 BP; 38 A; 33 C; 56 G; 21 T; 0 other;
SQ
Query Match 7.48; Score 148; DB 22; Length 148;
Best Local Similarity. 100.08; Pred. No. 3e-30;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 48 AAGCGACGCTGTAGCACTTTCTTGGCTGGGACCTTGATGATCCAGCATCATGCC 107
Db 148 AAGCGACGCTGTAGCACTTTCTTGGCTGGGACCTTGATGATCCAGCATCATGCC 89
Qy 108 TATCGGTCTCTGTGCACATATCTGCTCGACTTCTTGATCATCTCCGAGTGCGCG 167
Db 88 TATCGGTCTCTGTGCACATATCTGCTCGACTTCTTGATCATCTCCGAGTGCGCG 29
Qy 168 CATCCATGCGGCGCACACTTCCACTTG 195
Db 28 CATCCATGCGGCGCACACTTCCACTTG 1
RESULT 4
ID AAA30290
XX ID AAA30290 standard; DNA; 3489 BP.
XX AC AAA30290;
XX

DT	11-SEP-2000	(first entry)
XX		
DE	Kaposi's sarcoma-associated herpesvirus LANA gene.	
XX		
KM	Kaposi's sarcoma-associated herpesvirus; KSHV; rhadino virus;	
KM	latency-associated nuclear antigen; LANA; gamma-2 herpes virus;	
KM	Human herpes virus 8; HHV8; rhadino virus cis-acting element; RVC4E;	
KM	Kaposi's sarcoma; primary effusion lymphoma; PEL;	
KM	human immunodeficiency virus; HIV; multicentric Castleman's disease; ds.	
XX		
OS	Kaposi's sarcoma-associated herpesvirus.	
XX		
FT	Key	Location/Qualifiers
FT	CDS	1..3489
FT		/*tag= a
FT		/product= "LANA"
FT		40..50
FT	misc-signal	/*tag= b
FT		/note= "nuclear localisation signal, NLS"
FT		190..210
FT	misc-signal	/*tag= c
FT		/note= "nuclear localisation signal, NLS"
XX		
PN	WO200029626-A1.	
XX		
PD	25-MAY-2000.	
XX		
PF	19-NOV-1999;	99WO-US27508.
XX		
PR	19-NOV-1998;	98US-0109422.
PR	21-APR-1999;	99US-0298568.
XX		
PA	(KIEF/) KIEFF E D.	
PA	(BALL/) BALLESTAS M E.	
PA	(KAYE/) KAYE K M.	
XX		
PI	Kieff ED, Ballestas ME, Kaye KM;	
XX		
DR	WPI: 2000-387829/33.	
DR	P-PSDB: AAY96255.	
XX		
PT	Treating or preventing a disease associated with rhadino virus	
PT	infection in a mammal which includes Kaposi's Sarcoma and Primary	
PT	Effusion Lymphoma	
XX		
PS	Disclosure; Fig 6; 70pp; English.	
XX		
CC	The present sequence is the Kaposi's sarcoma-associated herpesvirus,	
CC	(KSHV) latency-associated nuclear antigen (LANA) gene. KSHV is also known	
CC	as Human Herpes Virus 8 (HHV8) and belongs to the rhadino virus, or	
CC	gamma-2 herpes virus class. The LANA protein is necessary for the	
CC	efficient persistence of rhadino virus DNA in mammalian cells. Persistent	
CC	rhadino virus infection is implicated in a variety of diseases e.g.	
CC	Kaposi's Sarcoma (KS), Primary Effusion Lymphoma (PEL) and multicentric	
CC	Castleman's disease. In addition, KS is a common malignancy in HIV	
CC	patients. KSHV persists in host cells in a latent form. One of the few	
CC	genes expressed from the latent viral DNA is LANA. LANA associates with	
CC	both human chromosomes and with the rhadino virus cis-acting element	
CC	(RVC4E), thereby providing a tethering function: the KSHV DNA episome is	
CC	"tied" to the host chromosomes. This allows the viral DNA to persist in	
CC	the host cell. The present sequence may be used to screen and identify	
CC	molecules that inhibit LANA interaction with RVC4E, thereby interfering	
CC	with the latency cycle of this virus. Potential antiviral treatments for	
CC	the above mentioned diseases may therefore be based on LANA deregulation.	
XX		
SO	Sequence 3489 BP; 1053 A; 862 C; 1137 G; 437 T; 0 other;	

Query Match	2.6%;	Score 52;	DB 21;	Length 3489;
Best Local Similarity	48.9%;	Pred. No. 0.0016;		
Matches 139;	Conservative 0;	Mismatches 145;	Indels 0;	Gaps 0;
07	505	CTGAAAAGCAGATCAAGTACTTTAGACGACGACGATGAGACCAACACAGACACAGAG	564	

Accession	Sequence	Position
Db	2212 caggatctagcagcagcagcagcagctgacacagcagcagcagatgcaacagagcagcagag	2271
Oy	565 GAGCGGCGCCGCGCTCAGAGACAGATGAAGACCATGAGACAGATTGACTTCTACTCCAG	624
Db	2272 gagcagagagcagcagcagcagcagcagcagcagcttagagagcagagacagagactagag	2331
Oy	625 AGCCACTCCCTGAGTGAGTGAGAGATGATCCAGCATGCGGCTGTGGACATCTACGCGTG	684
Db	2332 gatcagagcagagcttagagagcagcagcagcagcagcttagagagcagagcagcagctla	2391
Oy	685 GAACAGCTGGCTGTGATCTGTGCTCTCTCAGAAAGAGTACGAGAACTCTAAAGACGA	744
Db	2332 gagagagcagagcagcagagcttagagagcagcagcagcagcagcttagagagcagagcagag	2451
Oy	745 CGGAAGCCTCAGGGAGCTGCTGACAACTGAGGAAGATT	788
Db	2452 tttagagagcagagcagcagagcttagagagcagcagcagcagagctt	2495

XX	RESULT	5
XX	AAF82901	
XX	ID	AAF82901 standard; DNA: 3489 BP.
XX	AC	
XX	AAF82901;	
XX	DT	29-JUN-2001 (first entry)
XX	DE	
XX	Nucleotide sequence of KSHV tethering protein, LANA.	
XX	Histone H1; tethering protein; LANA; gene therapy; multiple sclerosis;	
XX	Parkinson's disease; Huntington disease; diabetes; human herpesvirus 8;	
XX	KSHV; latency-associated nuclear antigen, LANA; ds.	
OS	Kaposi's sarcoma associated herpesvirus.	
XX	Key	Location/Qualifiers
XX	FT	1..3489
XX	CDS	/*tag- a
XX	MO200125484-A2.	
XX	12-APR-2001.	
XX	29-SEP-2000; 2000MO-US26908.	
XX	01-OCT-1999; 99US-0410399.	
XX	(UNMI) UNIV MICHIGAN.	
XX	Robertson ES, Cotter MA;	
XX	WP1; 2001-281736/29.	
XX	P-PSDB; AAB62331.	
PT	A composition for use in gene therapy comprises an expression vector	
PT	that includes a nucleic acid sequence encoding a nucleic acid binding	
PT	protein -	
XX	Disclosure; Fig 9A; 60pp; English.	
XX	The invention provides a composition comprising nucleic acid, histone H1	
XX	protein and expression vector operatively encoding a protein suitable	
XX	for tethering the nucleic acid to the histone H1 protein, where the	
XX	tethering protein is LANA. The composition is useful in aiding the	
XX	retention of the viral DNA in the host cell. The viral vector encodes a	
XX	protein suitable for tethering DNA to Histone H1. Methods for screening	
XX	for compounds which are agonistic or antagonistic for the tethering of	
XX	viral proteins to histone H1 and DNA binding sites are useful for	
XX	developing the method of viral transfer. The composition has applications	
XX	to gene therapy, including the treatment of multiple sclerosis.	
XX	Parkinson's disease, Huntington disease and diabetes. The present	
XX	sequence represents the nucleotide sequence of the Kaposi's sarcoma	

	CD5	CD4	CD8	CD3	CD2	CD1	CD0
FT	complement (21348..21632)	complement (21348..21632)	complement (21348..21632)	complement (21348..21632)	complement (21348..21632)	complement (21348..21632)	complement (21348..21632)
FT	/tag= d	/tag= d	/tag= d	/tag= d	/tag= d	/tag= d	/tag= d
FT	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II	/product= macrophage inflammatory protein II
FT	complement (27137..27424)	complement (27137..27424)	complement (27137..27424)	complement (27137..27424)	complement (27137..27424)	complement (27137..27424)	complement (27137..27424)
CD5							

FT	/product= macrophage inflammatory protein II
FT	complement (27137...27424)
CDS	/*tag= e
FT	

FT		/product= interferon regulatory factor 1
FT	CDS	28661..29741
FT		/*tag= f
FT		/product= protein T1.1
FT	CDS	complement (58976..60175)
FT		/*tag= g
FT		/product= glycoprotein M
FT	CDS	complement (69412..69915)
FT		/*tag= h
FT		/product= glycoprotein L
FT	CDS	complement (88410..88910)
FT		/*tag= i
FT		/product= interferon regulatory factor 2
FT	CDS	89600..90541
FT		/*tag= j
FT		/product= interferon regulatory factor 3
FT	CDS	90173..90643
FT		/*tag= k
FT		/product= glycoprotein X
FT	CDS	complement (93636..94127)
FT		/*tag= l
FT		/product= interferon regulatory factor 4
FT	CDS	complement (111931..112443)
FT		/*tag= m
FT		/product= capsid protein IV
FT	CDS	complement (123808..127296)
FT		/*tag= n
FT		/product= immediate early protein

PN	MO5804576-A1.	
XX		
PD	05-FEB-1998.	
XX		
PF	22-JUL-1997;	97WO-US13346.
XX		
PR	29-NOV-1996;	96US-0757669.
PR	25-JUL-1996;	96US-0686243.
PR	25-JUL-1996;	96US-0686349.
PR	25-JUL-1996;	96US-0686353.
PR	25-JUL-1996;	96US-0687250.
PR	25-JUL-1996;	96US-0688814.
PR	05-SEP-1996;	96US-0708678.
PR	10-OCT-1996;	96US-0728323.
PR	13-NOV-1996;	96US-0747887.
PA		96US-0748640.
	(UWCO) UNIV COLUMBIA NEW YORK.	

PI Bohenzky RA, Chang Y, Edelman IS, Moore PS, Russo JJ;

DR WPT; 1998-130615/12.

PT New nucleic acid encoding Kaposi's sarcoma associated herpes virus
PT proteins - useful for, e.g. detecting levels of HHV8 in, and
PT preparation of vaccines for treatment of, HIV patients

PS Example 2; Page 135-203; 230pp; English.

CC This sentence represents the long unique region and terminal repeat of
CC the Kaposi's sarcoma-associated herpes virus (KSHV). KSHV is also known
CC as human herpes virus 8 (HHV8). This sequence contains the DNAs of the
CC invention which encode KSHV polypeptides selected from: (a) viral
CC macrophage inflammatory protein (MIP) II; (b) viral interleukin-6 (IL-6);
CC (c) viral IRR 1; (d) complement-binding protein; glycoproteins B, M or L;
CC (d) capsid protein IV encoded by ORF6; and (e) immediate early protein
CC encoded by ORF73. Labelled probes for the nucleic acid, proteins encoded
CC by it, and antibodies (Ab) specific for the proteins are useful for
CC detecting HHV8, specifically for diagnosis of Kaposi's sarcoma, in body
CC fluids or tissue samples. HHV8 infections can be treated with antisense
CC or triplex forming molecules or agents that bind specifically to the
CC protein. Ab may be used for prophylaxis or treatment of HHV8 infection,
CC while the protein can be used in protective vaccines. Ab may also be used
CC to differentiate between lymphomas, and HHV8 may be implicated in many

CC other lymphoproliferative diseases such as lymphomas, leukemia,
CC splenomegaly and mycosis fungoides. Cells and animals containing the
CC nucleic acid are useful for drug screening. Hm8-derived peptides can be
CC used as targets for antiviral drugs, e.g. dithyrotolate reductase gene
CC can be inhibited with methotrexate. These can also be used to determine
CC the immune status of a patient infected with HIV. Hm8 derived protein
CC viral Mip II may be used as an anti-inflammatory agent for,
CC e.g. treating rheumatoid arthritis. This sequence is stated as containing
CC 81 open reading frames.

XX
SQ Sequence 137507 BP: 32579 A; 37795 C; 35758 G; 31375 T; 0 other:

Query Match

2.68; Score 52; DB 19; Length 137507;

Matches 139; Conservative 0; Mismatches 145; Indels 0; Gaps 0;

505 CTGAAAAGCAGATGAGTACTTAGAGCAGCAGCAGGATGAGACCAAAACAAGCACAAGAG 564

Db 125085 CAGGATGAGCAGCAGCAGGATGAGCAGCAGCAGCAGGATGAACAGGAGCAGCAGGAG 125

QY 565 GAGCGGGCGGCTCAGGAGCAGATGAGACCATTGGAGCAGATTGAGCTTCTACTCCAG 624

Db 125025 GAGCAGGAGCAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAG 124

625 AGCCAGCTCCTGAGGTGGAGGAGATGATCCGAGACATGGGTGTGGACAGTCAGCGGTG 684

Db 124965 GATCAGGACGAGCTTAGAGGACGAGCAGGAGTTAGAGGACGAGGAGCAGGAGTTA 124

685 GAACAGCTGGCTGTGTACTGTGTCTCTCAAGAAAGAGTAGGAGAATCTAAAGAGGCA 744

Db 124905 GAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAG 124846

QY 745 CGAAGGCTCAGGGGAGGCTGGCTGACACAGCTGAGGAAGGATT 788

Db 124845 TTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTT 124802

AAS60947

XX

XX

XX

XX
XX

KW squamous cell carcinoma; sarcoma; fibrosarcoma; leukaemia;

kw Hodgkin's disease; glioma; ss.

OS Homo sapiens

PN W0200179556-A2

PD 25-OCT-2001

PF 13-APR-2001; 2001WO-US12132.

PR 14-APR-2000; 2000US-197538P.

PA (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.

PI Lillie J, Brown JL, Bolt A, Van Huffel C;

DR WPI; 2001-602933/68.

PT Novel nucleic acid, used as a marker to determine the effectiveness of

XX

XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488897/53.
XX
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
XX Claim 25; SEQ ID NO 7210; 654bp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENP).
CC The present sequence is one such probe. The probes are useful for
CC producing a microarray for predicting, measuring and displaying gene
CC expression in samples derived from human placenta. The probes are useful
CC for antenatal diagnosis of human genetic disorders.
XX
SO Sequence 475 BP; 38 A; 198 C; 45 G; 194 T; 0 other;

Query Match 2.3%; Score 46.6; DB 22; Length 475;
Best Local Similarity 52.9%; Pred. No. 0.018;
Matches 100; Conservative 0; Mismatches 89; Indels 0; Gaps 0;
QY 502 ACACCTGAAAAAGCAGATGAGTACTTAGACACACAGCATGAGACCAACAAGCACA 561
DB 364 AAACAGAAAGAAA 305
QY 562 GAGAGAGCGCGCGCTCAGAGAGACAGATGATGAGACCATGAGAGATTGAGCTTCTACTC 621
DB 304 GAGGAG 245
QY 622 CAGAGCCAGCTCCCTGAGTGTGAGAGATGATCCGAGACATGGGTGTGGACAGTCAGCG 681
DB 244 GAGGAG 185
QY 682 GTGGAACAG 690
DB 184 GAGGAGAG 176

RESULT 21
ABA71159/C
ID ABA71159 standard; DNA; 511 BP.
XX
XX ABA71159;
AC
XX
DT 01-FEB-2002 (first entry)
XX
DE Human foetal liver single exon nucleic acid probe #19464.
XX
XX Human; foetal liver; gene expression; single exon nucleic acid probe; ss.
OS Homo sapiens.
XX
PN WO200157277-A2.
XX
XX 09-AUG-2001.
PD
XX
PF 30-JAN-2001; 2001WO-US00669.
XX
XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
XX (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-483447/52.
XX
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human fetal liver -
XX
XX Claim 4; SEQ ID NO 19464; 639pp + sequence listing; English.
XX
XX The invention relates to a single exon nucleic acid probe for
CC measuring human gene expression in a sample derived from human foetal
CC liver. The single exon nucleic acid probes may be used for predicting,
CC measuring and displaying gene expression in samples derived from human
CC fetal liver. The present sequence is a single exon nucleic acid
CC probe of the invention.
CC Note: The sequence data for this patent did not form part of the
CC printed specification, but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
SO Sequence 511 BP; 19 A; 231 C; 26 G; 235 T; 0 other;

Query Match 2.3%; Score 46.6; DB 22; Length 511;
Best Local Similarity 52.9%; Pred. No. 0.019;
Matches 100; Conservative 0; Mismatches 89; Indels 0; Gaps 0;
QY 502 ACACCTGAAAAAGCAGATGAGTACTTAGACACACAGCATGAGACCAACAAGCACA 561
DB 267 AAACAGAAAGAAA 208
QY 562 GAGAGAGCGCGCGCTCAGAGAGACAGATGATGAGACCATGAGAGATTGAGCTTCTACTC 621
DB 207 GAGGAG 148
QY 622 CAGAGCCAGCTCCCTGAGTGTGAGAGATGATCCGAGACATGGGTGTGGACAGTCAGCG 681
DB 147 GAGGAG 88
QY 682 GTGGAACAG 690
DB 87 GAGGAGAG 79

RESULT 22
ABA37497/C
ID ABA37497 standard; DNA; 511 BP.
XX
XX ABA37497;
AC
XX
DT 23-JAN-2002 (first entry)
XX
DE Probe #15963 for gene expression analysis in human heart cell sample.
XX
XX Human; gene expression; heart; microarray; vascular system; probe;
KW cardiovascular disease; hypertension; cardiac arrhythmia;
KW congenital heart disease; ss.
XX
XX Homo sapiens.
XX
PN WO200157274-A2.
XX
XX 09-AUG-2001.
PD
XX
PF 30-JAN-2001; 2001WO-US00666.
XX
XX 04-FEB-2000; 2000US-0180312.

XX 30-JAN-2001; 2001WO-US00668.
PF
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488900/53.
DR
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human bone marrow -
XX
XX
PS Example 4; SEQ ID NO: 20001; 658bp + Sequence Listing; English.
XX
CC The present invention provides a number of single exon nucleic acid
CC probes which are derived from genomic sequences expressed in the human
CC bone marrow. They can be used to measure gene expression in bone marrow
CC samples, which may enable the improved diagnosis and treatment of cancers
CC such as lymphoma, leukemia and myeloma. The present sequence is one of
CC the probes of the invention.
XX
SQ Sequence 511 BP; 19 A; 231 C; 26 G; 235 T; 0 other;

Query Match 2.3%; Score 46.6; DB 22; Length 511;
Best Local Similarity 52.9%; Pred. No. 0.019;
Matches 100; Conservative 0; Mismatches 89; Indels 0; Gaps 0;
QY 502 ACACCTGAAAAGCAGATGAAGTACTTAGACGACGAGGATGAGACCAACAGACACAA 561
DB 267 AACACAGAA 208
QY 562 GAGGAGCGCGCGCGCTCAGAGACCAAGATGAACCATGAGCAGATTGAGCTTCTACTC 621
DB 207 GAGGAGCGCGCGCGCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 148
QY 622 CAGAGCCAGCTCCCTGAGTGTGAGATGATCCGAGCATGGGTGGGAGCAGTCAGCG 681
DB 147 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 88
QY 682 GTGGAACAG 690
DB 87 GAGGAGGAG 79

RESULT 25
AA151389/C
ID AA151389 standard; DNA; 511 BP.
XX
AC AA151389;
XX
DT 17-OCT-2001 (first entry)
XX
DE Probe #20075 used to measure gene expression in human placenta sample.
XX
KW Probe: microarray; human; placenta; antenatal diagnosis;
KM genetic disorder; ss.
XX
OS Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.

XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488900/53.
DR
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
XX
PS Claim 25; SEQ ID NO 20075; 654bp; English.
XX
CC The present invention relates to single exon nucleic acid probes (SENPs).
CC The present sequence is one such probe. The probes are useful for
CC producing a microarray for predicting, measuring and displaying gene
CC expression in samples derived from human placenta. The probes are useful
CC for antenatal diagnosis of human genetic disorders.
XX
SQ Sequence 511 BP; 19 A; 231 C; 26 G; 235 T; 0 other;

Query Match 2.3%; Score 46.6; DB 22; Length 511;
Best Local Similarity 52.9%; Pred. No. 0.019;
Matches 100; Conservative 0; Mismatches 89; Indels 0; Gaps 0;
QY 502 ACACCTGAAAAGCAGATGAAGTACTTAGACGACGAGGATGAGACCAACAGACACAA 561
DB 267 AACACAGAA 208
QY 562 GAGGAGCGCGCGCGCTCAGAGACCAAGATGAACCATGAGCAGATTGAGCTTCTACTC 621
DB 207 GAGGAGCGCGCGCGCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 148
QY 622 CAGAGCCAGCTCCCTGAGTGTGAGATGATCCGAGCATGGGTGGGAGCAGTCAGCG 681
DB 147 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 88
QY 682 GTGGAACAG 690
DB 87 GAGGAGGAG 79

RESULT 26
AAD06778
ID AAD06778 standard; CDNA; 4181 BP.
XX
AC AAD06778;
XX
DT 06-AUG-2001 (first entry)
XX
DE Human haematopoietic lineage switch (HLS)-5 CDNA #1.
XX
KW Human; haematopoietic lineage switch; HLS-5; tumour suppressor; cancer;
KM ring finger B-box coiled-coil; RBC; transcriptional regulator; tumour;
KW acute myeloid leukaemia; drug screening; gene therapy; cytostatic; ss.
XX
OS Homo sapiens.
XX
FH Key
FT CDS
FT 2..1516
FT Location/Qualifiers
FT
FT /*tag= a
FT /product= "Human HLS-5 protein"
FT /note= "CDS does not include start codon"
FT /partial

PN WO200107612-A2.
 XX
 PD 01-FEB-2001.
 XX
 PF 21-JUL-2000; 2000WO-US20035.
 XX
 PR 21-JUL-1999; 99US-0145232.
 PR 07-OCT-1999; 99US-0158578.
 PR 12-NOV-1999; 99US-0165192.
 XX
 PA (INCY-) INCYTE GENOMICS INC.
 XX
 PI Au-Young J, Bandman O, Tang YT, Yue H, Azimzai Y, Burford N;
 PI Baughn MR, Lu DAM, Hillman JL, Patterson C, Lal P;
 XX
 DR WPI: 2001-168554/17.
 DR P-PSDB; AAB68887.
 XX
 PT Novel receptors and associated proteins for diagnosis and treatment of
 PT neurological disorders, immunological disorders including autoimmune/
 PT inflammatory disorders and cell proliferative disorders such as cancer
 PT
 PS Claim 5: Page 124-125; 128pp; English.
 XX
 CC The present sequence encodes a human RECAP (receptors and associated
 CC proteins) polypeptide. RECAP polynucleotides and polypeptides are useful
 CC in the diagnosis, treatment and prevention of neurological disorders
 CC such as stroke, Alzheimer's disease, Pick's disease, Huntington's
 CC disease, dementia, Parkinson's disease, Down's syndrome, amyotrophic
 CC lateral sclerosis, multiple sclerosis, bacterial and viral meningitis,
 CC CJD (Creutzfeldt-Jakob disease), GSS (Gerstmann-Strausler-Scheinker
 CC syndrome), immunological disorders, including autoimmune/inflammatory
 CC disorders such as AIDS, Digeorge's syndrome, severe combined
 CC immunodeficiency disease (SCID), Chediak-Higashi syndrome, Cushing's
 CC disease, Addison's disease, autoimmune thyroiditis, Crohn's disease,
 CC diabetes mellitus, Good pasture's syndrome, gout, Grave's disease,
 CC Hashimoto's thyroiditis, Sjogren's syndrome, Werner's syndrome, viral,
 CC bacterial, fungal, parasitic, protozoal, and helminthic infections; and
 CC cell proliferation disorders such as arteriosclerosis, atherosclerosis,
 CC cirrhosis, hepatitis and cancer.
 XX
 SQ Sequence 1820 BP; 534 A; 433 C; 471 G; 382 T; 0 other;
 Query Match 2.3%; Score 45.2; DB 22; Length 1820;
 Best Local Similarity 45.3%; Pred. No. 0.083; Mismatches 198; Indels 0; Gaps 0;
 Matches 164; Conservative 0; Mismatches 198; Indels 0; Gaps 0;
 QY 507 GAAAAAGCAGATGAGTACTTAGAGCAGCAGATGATGACCAACAGCAGAGAGGA 566
 DB 637 gaagagagcagtlctccatcgcacatgagatgacgcagtcgcgaacaagatgata 636
 QY 567 GCGGGCGCGCTCAGACAGCAGATGAAAGCAGATGAGCAGATTCCTCTACTCCAGAG 626
 DB 697 gctggaagaacaatcgatcgatcaacagagagaagaagaacaacgagactgtaga 756
 QY 627 CCAGCCTCCGAGTGGAGGAGATGATCCGATCGAGTGGAGTGGACAGTCAGCGGTGGA 666
 DB 757 gaagatcagagagactgagagcagagcctcagaaagaagagacagactgaagaatccg 816
 QY 687 ACAGTCGCTGTGTACTGTGTCTCTCAAGAAAGAGTACAGAGAACTTAAAGAGCAGC 746
 DB 817 aaaaacaagaagaaatatacctcagctcatgctcagagtgagaaatagctctcgagaagct 876
 QY 747 GAAGGCTTCAGGGGAGTGCTGACAACTGAGGAAGATTGTTTCTCCTCAGAAAGCAA 806
 DB 877 agagggcgagagagagaaacatcaaaacctgagagaaagatcgcttccttaagacaga 936
 QY 807 GTTGGCAGACGCTACTCTGAATTGGATGAGCCAGTTAGACTGAAGTCAGCCAGAA 866
 DB 937 caltgagagagaaataacacagacagcaccctgaagtgtagtgaagagcttctctgga 996

QY 867 GG 868
 DB 997 gg 998
 RESULT 29
 AAS81488/c
 ID AAS81488 standard; cDNA; 1824 BP.
 XX
 AC AAS81488;
 XX
 DT 13-FEB-2002 (first entry)
 XX
 DE DNA encoding novel human diagnostic protein #17292.
 XX
 KW Human: chromosome mapping; gene mapping; gene therapy; forensic;
 KW food supplement; medical imaging; diagnostic; genetic disorder; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200175067-A2.
 XX
 PD 11-OCT-2001.
 XX
 PF 30-MAR-2001; 2001WO-US08631.
 XX
 PR 31-MAR-2000; 2000US-0540217.
 PR 23-AUG-2000; 2000US-0649167.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 PI Drmanac RT, Liu C, Tang YT;
 XX
 DR WPI: 2001-639362/73.
 DR P-PSDB; ABB17301.
 XX
 PT New isolated polynucleotide and encoded polypeptides, useful in
 PT diagnostics, forensics, gene mapping, identification of mutations
 PT responsible for genetic disorders or other traits and to assess
 PT biodiversity
 XX
 PS Claim 1: SEQ ID No 17292; 103pp; English.
 XX
 CC The invention relates to isolated polynucleotide (I) and
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
 CC and gene mapping, and in recombinant production of (II). The
 CC polynucleotides are also used in diagnostics as expressed sequence tags
 CC for identifying expressed genes. (I) is useful in gene therapy techniques
 CC to restore normal activity of (II) or to treat disease states involving
 CC (II). (II) is useful for generating antibodies against it, detecting or
 CC quantitating a polypeptide in tissue, as molecular weight markers and as
 CC a food supplement. (II) and its binding partners are useful in medical
 CC imaging of sites expressing (II). (I) and (II) are useful for treating
 CC disorders involving aberrant protein expression or biological activity.
 CC The polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. AAS64197-AAS94564 represent novel human
 CC diagnostic coding sequences of the invention.
 CC Note: The sequence data for this patent did not appear in the printed
 CC specification, but was obtained in electronic format directly from WMO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 SQ Sequence 1824 BP; 270 A; 670 C; 359 G; 525 T; 0 other;
 Query Match 2.2%; Score 45; DB 23; Length 1824;
 Best Local Similarity 47.7%; Pred. No. 0.095; Mismatches 145; Indels 0; Gaps 0;
 Matches 132; Conservative 0; Mismatches 145; Indels 0; Gaps 0;
 QY 507 GAAAAAGCAGATGAGTACTTAGAGCAGCAGATGATGACCAACAGCAGAGAGGA 566

Db 775 GGAGAGGCTGCTGGAAGAGCTGGAGAACTGTAGAACAGAGAGACAGAGAGAGCA 716
Oy 567 GCGGGCCGCGCTCAGAGAGCAAGATGAACCATGAGCAGATTGACCTTCTACTCCAGAG 626
Db 715 GGGAGAGGCTGCTGGAAGAGGAGGCTGCTGGAAGAGGTGGAGAACTTTAAACAGCA 656
Oy 627 CCAGCTCCCTGAGGTGAGAGATGATCCGACATGAGGTGTGGACAGTCAAGCGGTGA 686
Db 655 GAGCGCGCAGAGAGAGAGAGAGAGCTGCTGAGAGAGAGAGAGCTCTGAGAGAGTGA 596
Oy 687 ACAGCTGCGTGTGCTACTGTGTCTCTCAAGAAAGATGACGAAATCTAAAGAGCAGAG 746
Db 595 GGGAGCTCTGAGAGAGGTGAGAGAGCTCTGAGAGAGAGAGCTTCGGCAACAGATGA 536
Oy 747 GAAGGCGCTCAGGGAGAGTGGCTGACACAGCTGAGGAGAG 783
Db 535 GAGGCTGTGGACAGAGAGACTCTCGAGAGAGCTGAGAG 499

RESULT 30
AAS79695
ID AAS79695 standard; cDNA; 2850 BP.
XX
XX AAS79695;
XX
DT 13-FEB-2002 (first entry)
XX
DE DNA encoding novel human diagnostic protein #15499.
XX
XX Human; chromosome mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder; ss.
XX
OS Homo sapiens.
XX
XX WO200175067-A2.
XX
XX
XX PD 11-OCT-2001.
XX
XX PF 30-MAR-2001; 2001WO-US08631.
XX
XX PR 31-MAR-2000; 2000US-0540217.
XX PR 23-AUG-2000; 2000US-0649167.
XX
XX PA (HYSE-) HYSEQ INC.
XX
XX Drmanac RT, Liu C, Tang YT;
XX
XX
XX WPI; 2001-639362/73.
XX
XX P-PSDB; ABG15508.
XX
XX
XX PT New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX
XX
XX PS Claim 1; SEQ ID NO 15499; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome
XX and gene mapping, and in recombinant production of (II). The
XX polynucleotides are also used in diagnostics as expressed sequence tags
XX for identifying expressed genes. (I) is useful in gene therapy techniques
XX to restore normal activity of (II) or to treat disease states involving
XX quantitating a polypeptide in tissue, as molecular weight markers and as
XX a food supplement. (II) and its binding partners are useful in medical
XX imaging of sites expressing (II). (I) and (II) are useful for treating
XX disorders involving aberrant protein expression or biological activity.
XX The polypeptide and polynucleotide sequences have applications in
XX diagnostics, forensics, gene mapping, identification of mutations in
XX responsible for genetic disorders or other traits to assess biodiversity

CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. AAS64197-AAS94564 represent novel human
CC diagnostic coding sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pcl_sequences.
XX
XX Sequence 2850 BP; 747 A; 692 C; 937 G; 474 T; 0 other;

Query Match 2.2%; Score 45; DB 23; Length 2850;
Best Local Similarity 47.7%; Pred. No. 0.12;
Matches 132; Conservative 0; Mismatches 145; Indels 0; Gaps 0;

Oy 507 GAAAAAGCATGACTACTTGAAGCAGCAGAGATGAGACCAACACAGCAGAGAGCA 566
Db 1050 ggaagagcctcgtggaagagctgtaagagctgttaagacagagagcagagagagca 1109
Oy 567 GCGCGCCGCGCTCAGAGAGCAAGATGAACCATGAGCAGATTGACCTTCTACTCCAGAG 626
Db 1110 ggaagagcctcgtggaagagctgtaagagctgtggaagagctgttgaagacagga 1169
Oy 627 CCAGCTCCCTGAGGTGAGAGAGATGATCCGACATGAGGTGTGGACACTCAGCGGTGA 686
Db 1170 gaagcgagagagagagagagagctgtggaagagagagagctgtgagagagtgga 1229
Oy 687 ACAGCTGCGTGTGCTACTGTGTCTCTCAAGAAAGATGACGAAATCTAAAGAGCAGAG 746
Db 1230 ggaagcctcgtggaagagctgtggaagagctgtggaagagctgtgcaacagagatga 1289
Oy 747 GAAGGCGCTCAGGGAGAGTGGCTGACACAGCTGAGGAGAG 783
Db 1290 gaagcctgtgagcagagagagctgtgcaagagagctgtgga 1326

RESULT 31
AAK19599/C
ID AAK19599 standard; DNA; 267 BP.
XX
XX AAK19599;
XX
XX
XX DT 05-NOV-2001 (first entry)
XX
XX DE Human brain expressed single exon probe SEQ ID NO: 19590.
XX
XX
XX KW Human; brain expressed exon; gene expression analysis; probe;
KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
KW epilepsy; cancer; ss.
XX
XX
XX OS Homo sapiens.
XX
XX
XX PN WO200157275-A2.
XX
XX
XX PD 09-AUG-2001.
XX
XX PF 30-JAN-2001; 2001WO-US00667.
XX
XX
XX PR 04-FEB-2000; 2000US-0180312.
XX PR 26-MAY-2000; 2000US-0207456.
XX PR 30-JUN-2000; 2000US-0608408.
XX PR 03-AUG-2000; 2000US-0632366.
XX PR 21-SEP-2000; 2000US-0234687.
XX PR 27-SEP-2000; 2000US-0236359.
XX PR 04-OCT-2000; 2000GB-0024263.
XX
XX PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
XX PI Penn SG, Hanzel DK, Chen W, Rank DK;
XX
XX WPI; 2001-483446/52.
XX
XX
XX PT Single exon nucleic acid probes for analyzing gene expression in human
XX brains -

PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX
XX
PS Claim 1; SEQ ID No 10044; 103pp; English.
CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. AAS64197-AAS94564 represent novel human
CC diagnostic coding sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at [ftp.wipo.int/pub/published_pcl_sequences](http://wipo.int/pub/published_pcl_sequences).
XX
XX
SQ Sequence 693 BP; 296 A; 79 C; 234 G; 84 T; 0 other;

Query Match 2.2%; Score 44.2; DB 23; Length 693;
Best Local Similarity 48.6%; Pred. No. 0.097;
Matches 121; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 502 ACACCTGAAAAAGCAGATGACTTAGAGCAGCAGCAGATGACCAACAAAGCACA 561
Db 208 aaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 267
QY 562 GAGAGAGCGGGCCGCTCAGCAGCAAGATGAACCATGAGCGCAGATTGACCTTCTCTC 621
Db 268 aagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 327
QY 622 CAGAGCCAGCTCCCTGAGGTGAGCAGATGATCCGAGCAGATGGGTGGCAGCTCAGCG 681
Db 328 aagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 387
QY 682 GTGAGACAGCTGGCTGTGTACTGTGTCTCTCAAGAAAGATCAGAAATCTTAAAGAG 741
Db 388 gagagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 447
QY 742 GCACGGAAG 750
Db 448 gagaagaag 456

RESULT 34
AAS90715
ID AAS90715 standard; CDNA; 693 BP.
XX
XX AAS90715;
XX
XX 13-FEB-2002 (first entry)
XX
XX DNA encoding novel human diagnostic protein #26519.
XX
XX
XX Human; chromosome mapping; gene mapping; gene therapy; forensic;
KM food supplement; medical imaging; diagnostic; genetic disorder; ss.
XX
XX Homo sapiens.
XX
XX WO200175067-A2.
XX

PD 11-OCT-2001.
XX
XX 30-MAR-2001; 2001WO-US08631.
PE
XX
XX 31-MAR-2000; 2000US-0540217.
PR
XX 23-AUG-2000; 2000US-0649167.
XX
XX (HYSE-) HYSEQ INC.
PA
XX Dmanac RT, Liu C, Tang YT;
XX
XX
XX WPI; 2001-639362/73.
DR P-PDB: ABG26528.
XX
XX
XX New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
PS Claim 1; SEQ ID No 26519; 103pp; English.
XX
XX The invention relates to isolated polynucleotide (I) and
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome
XX and gene mapping, and in recombinant production of (II). The
XX polynucleotides are also used in diagnostics as expressed sequence tags
XX for identifying expressed genes. (I) is useful in gene therapy techniques
XX to restore normal activity of (II) or to treat disease states involving
XX (II). (II) is useful for generating antibodies against it, detecting or
XX quantitating a polypeptide in tissue, as molecular weight markers and as
XX a food supplement. (II) and its binding partners are useful in medical
XX imaging of sites expressing (II). (I) and (II) are useful for treating
XX disorders involving aberrant protein expression or biological activity.
XX The polypeptide and polynucleotide sequences have applications in
XX diagnostics, forensics, gene mapping, identification of mutations
XX responsible for genetic disorders or other traits to assess biodiversity
XX and to produce other types of data and products dependent on DNA and
XX amino acid sequences. AAS64197-AAS94564 represent novel human
XX diagnostic coding sequences of the invention.
XX Note: The sequence data for this patent did not appear in the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at [ftp.wipo.int/pub/published_pcl_sequences](http://wipo.int/pub/published_pcl_sequences).
XX
XX
SQ Sequence 693 BP; 296 A; 79 C; 234 G; 84 T; 0 other;

Query Match 2.2%; Score 44.2; DB 23; Length 693;
Best Local Similarity 48.6%; Pred. No. 0.097;
Matches 121; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 502 ACACCTGAAAAAGCAGATGACTTAGAGCAGCAGCAGATGACCAACAAAGCACA 561
Db 208 aaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 267
QY 562 GAGAGAGCGGGCCGCTCAGCAGCAAGATGAACCATGAGCGCAGATTGACCTTCTACTC 621
Db 268 aagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 327
QY 622 CAGAGCCAGCTCCCTGAGGTGAGCAGATGATCCGAGCAGATGGGTGGCAGCTCAGCG 681
Db 328 aagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 387
QY 682 GTGAGACAGCTGGCTGTGTACTGTGTCTCTCAAGAAAGATCAGAAATCTTAAAGAG 741
Db 388 gagagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 447
QY 742 GCACGGAAG 750
Db 448 gagaagaag 456

RESULT 35
AAS83007/c

ID AAX83007 standard; DNA: 51259 BP.
XX AAX83007;
XX
XX
DT 31-AUG-1999 (first entry)
XX
DE Partial mouse WRN genomic sequence #3.
XX
KM Mouse; WRN; Werner's syndrome; detection; diagnosis; autosomal;
XX recessive disorder; phenotype; ss.
XX
OS Mus musculus.
XX
XX MO9724435-A1.
XX
XX 10-JUL-1997.
XX
XX 30-DEC-1996; 96MO-US20785.
XX
XX 12-APR-1996; 96US-0632175.
XX 29-DEC-1995; 95US-0009409.
XX 29-DEC-1995; 95US-0580539.
XX 30-JAN-1996; 96US-0010835.
XX 30-JAN-1996; 96US-0594242.
XX
XX (DARN-) DARNIN MOLECULAR CORP.
XX (OSHI/) OSHIMA J.
XX
XX Fu Y, Mulligan J, Oshima J, Schellenberg GD, Yu C;
XX
XX WPI; 1997-363671/33.
XX
XX
XX Isolated nucleic acid molecule encoding the WRN gene product
XX useful for detection and treatment of Werner's syndrome, and related
XX diseases
XX
XX Claim 1: Fig 7; 153pp; English.
XX
XX This sequence represents a fragment of the genomic sequence containing
XX the coding region for the mouse WRN gene (AAX83004). The corresponding
XX human gene (AAH83001) encodes a protein related to Werner's syndrome.
XX The products can be used for the detection and treatment of Werner's
XX syndrome (WS), an autosomal recessive disorder with a complex phenotype,
XX as well as related diseases.
XX
XX
SQ Sequence 51259 BP; 14533 A; 9635 C; 10266 G; 16825 T; 0 other;

Query Match 2.2%; Score 44.2; DB 18; Length 51259;
Best Local Similarity 47.9%; Pred. No. 0.8;
Matches 127; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

RESULT 36
ABLI0151
ID ABLI0151 standard; cDNA; 2601 BP.
XX
XX ABLI0151;
XX
XX
DT 26-MAR-2002 (first entry)
XX
DE Drosophila melanogaster expressed polynucleotide SEQ ID NO 24935.
XX
XX
XX Drosophila; developmental biology; cell signalling; insecticide;
XX pharmaceutical; gene; ss.
XX
XX Drosophila melanogaster.
XX
XX
XX WO200171042-A2.
XX
XX
XX 27-SEP-2001.
XX
XX 23-MAR-2001; 2001WO-US09231.
XX
XX
XX 23-MAR-2000; 2000US-191637P.
XX 11-JUL-2000; 2000US-0614150.
XX
XX (PEKE) PE CORP NY.
XX
XX
XX Venter JC, Adams M, Li PWD, Myers EM;
XX
XX WPI; 2001-656860/75.
XX
XX P-PSDB; ABB66048.
XX
XX
XX
XX New isolated nucleic acid detection reagent for detecting 1000 or more
XX genes from Drosophila and for elucidating cell signalling and cell-cell
XX interactions
XX
XX
XX Claim 1: SEQ ID NO 24935; 21pp + Sequence Listing; English.
XX
XX
XX The invention relates to an isolated nucleic acid detection reagent
XX capable of detecting 1000 or more genes from drosophila. The invention is
XX useful in developmental biology and in elucidating cell signalling and
XX cell-cell interactions in higher eukaryotes for the development of
XX insecticides, therapeutics and pharmaceutical drugs. The invention
XX discloses genomic DNA sequences (ABLI01840-ABLI6175), expressed DNA
XX sequences (ABLI01840-ABLI6175) and the encoded proteins
XX (ABR57737-ABR72072).
XX
XX The sequence data for this patent did not form part of the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences.
XX
XX
SQ Sequence 2601 BP; 780 A; 639 C; 759 G; 423 T; 0 other;

Query Match 2.2%; Score 44; DB 23; Length 2601;
Best Local Similarity 47.8%; Pred. No. 0.21;
Matches 128; Conservative 0; Mismatches 140; Indels 0; Gaps 0;

Db 1933 cagatgatatacgctcaatgagcgctg 1960

RESULT 37

AA084589
ID AA084589 standard; cDNA to mRNA; 2887 BP.

XX AA084589;

DT 01-SEP-1995 (first entry)

XX AMML chromosome inv(16).

XX AMML; acute myelomonocytic leukemia; chromosome-16; inversion;

KM inv(16): CBF-beta; CBFb gene; transcription factor; myosin; MYH11;

XX SMHC; ds.

XX Homo sapiens.

OS Key

FT CDS

FT misc-feature

FT /tag- a

FT /tag- b

FT /note- "inv(16) breakpoint; CBFb nt 1-492 fused

XX to nt 994 of MYH11"

XX WO9504067-A.

XX 09-FEB-1995.

XX 26-JUL-1994; 94MO-US08530.

XX 29-JUL-1993; 93US-0099869.

XX (UNMI) UNIV MICHIGAN.

XX (TEXA) UNIV TEXAS SYSTEM.

XX Claxton D, Collins FS, Liu P, Siciliano MJ;

XX WPI; 1995-082178/11.

XX P-PSDB; AAR66930.

XX Novel DNA spanning the pericentric inversion of chromosome 16 -

XX for the screening of acute myeloid leukaemia

XX Claim 1; Page 34-38; 78pp; English.

XX PCR was performed on total cellular RNA from 5 AMML patients having

XX a pericentric inversion of chromosome-16, MAbc subtype. Sequencing

XX showed the inv(16) fusion to comprise a sequence from the CBFb

XX gene, encoding a novel transcription factor, and the MYH11 gene,

XX encoding smooth myosin heavy chain. In 1 patient, nt 1-492

XX of the CBFb gene were fused to nt 994 of MYH11 (shown in AA084589;

XX predicted as sequence in AAR66930). Probes specific for inv(16) can

XX be used for diagnosis of AMML.

XX Sequence 2887 BP; 868 A; 702 C; 940 G; 377 T; 0 other;

Query Match

Best Local Similarity 47.2%; Pred. No. 0.22;

Matches 134; Conservative 0; Mismatches 150; Indels 0; Gaps 0;

2.2%; Score 44; DB 16; Length 2887;

530 AGCAGCAGATGAGACCAACACAGAGAGCGCGCTCAGAGCAAGA 589

512 agataaagcagcgctggaagaagcagcagcctgagcgagctgctcctg 571

590 TGAAGACCAATGAGCAATTTGAGCTTACTCCAGAGCCAGCTCCGTAGAGTGAGAGA 649

572 gccagcgaagcagcgagtggaacataagaagaagcctgagcgagtgcaagagc 631

Qy 650 TGATCCGAGACATGGTGTGGACAGTACGCGTGAACAGCTGTGTTACTGTGTG 709

632 tgcagtcacaaagtcagcagatgagcgagcgccggcgagcctcatgacaagctcaca 691

710 CTCCTCAAGAAAGATGACATCTTAAAGAGCGACGAAGGCTCAGGAGGCTG 769

692 agctgcagaatgagtgagcagtcacaggaatgcttaacgagcgagcgaggaagcaca 751

770 ACAAGCTGAGAGAGGATTTTCTCCGAGAGCAAGTTCAG 813

752 ttaagctgccaagcagctgctccctcagtlccacagctccag 795

RESULT 38

ABL10150
ID ABL10150 standard; cDNA; 4945 BP.

XX ABL10150;

DT 26-MAR-2002 (first entry)

XX Drosophila melanogaster expressed polynucleotide SEQ ID NO 24932.

KW Drosophila; developmental biology; cell signalling; insecticide;

KW pharmaceutical; gene; ss.

XX Drosophila melanogaster.

XX WO200171042-A2.

XX 27-SEP-2001.

XX 23-MAR-2001; 2001MO-US09231.

XX 23-MAR-2000; 2000US-191637P.

XX 11-JUL-2000; 2000US-0614150.

XX (PEKE) PE CORP NY.

XX Venter JC, Adams M, Li PWD, Myers EW;

XX WPI; 2001-656860/75.

XX P-PSDB; ABB66047.

XX New isolated nucleic acid detection reagent for detecting 1000 or more

XX genes from Drosophila and for elucidating cell signalling and cell-cell

XX interactions -

XX Claim 1; SEQ ID NO 24932; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent

XX capable of detecting 1000 or more genes from Drosophila. The invention is

XX useful in developmental biology and in elucidating cell signalling and

XX cell-cell interactions in higher eukaryotes for the development of

XX insecticides, therapeutics and pharmaceutical drugs. The invention

XX discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA

XX sequences (ABL1840-ABL16175) and the encoded proteins

XX (ABB57737-ABB72072).

XX The sequence data for this patent did not form part of the printed

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403 CAGGTCATCATGCACTCTGCGGATGATGAGAGCAAGCAATGCTACTGTGATCT 462

2980 cagcacaccaagctgacatcgtgacacagcgagaagaagcagtcgacgcaagctcg 3039

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